

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) An organic electroluminescent device, comprising:

a substrate;

a first electrode on the substrate;

an organic luminescent layer on the first electrode;

a second electrode on the organic luminescent layer, wherein the organic luminescent layer is between the first electrode and the second electrode; and

a nanostructured organic electroluminescent recovery layer, comprising dielectric or organic material, doped with nanoscale metal particles, wherein the nanoscale metal particle is ~~different from the dielectric or organic material~~ comprises Au, Ag, Ge, Se, Sn, Sb, Te, or Ga.
2. (Previously Presented) The organic electroluminescent device as claimed in claim 1, wherein the nanostructured organic electroluminescent recovery layer is on the substrate and between the substrate and the first electrode.
3. (Previously Presented) The organic electroluminescent device as claimed in claim 1, wherein the nanostructured organic electroluminescent recovery layer is on the first electrode and between the first electrode and the organic luminescent layer.

4. (Previously Presented) The organic electroluminescent device as claimed in claim 1, wherein the nanostructured organic electroluminescent recovery layer is on the organic luminescent layer and between the organic luminescent layer and the second electrode.

5. (Original) The organic electroluminescent device as claimed in claim 1, wherein the nanostructured organic electroluminescent recovery layer is on the second electrode.

6. (Original) The organic electroluminescent device as claimed in claim 1, wherein the organic luminescent layer comprises a single organic luminescent layer.

7. (Original) The organic electroluminescent device as claimed in claim 1, wherein the organic luminescent layer comprises stacked organic luminescent layers.

8. (Original) The organic electroluminescent device as claimed in claim 1, wherein the organic luminescent layer comprises fluorescent luminescent material or phosphorescent luminescent material.

9. (Original) The organic electroluminescent device as claimed in claim 1, wherein the organic luminescent layer comprises molecular organic luminescent material.

10. (Original) The organic electroluminescent device as claimed in claim 1, wherein the organic luminescent layer comprises polymer organic luminescent material.

11. (Original) The organic electroluminescent device as claimed in claim 1, wherein the substrate is transparent or opaque glass or plastic.

12. (Original) The organic electroluminescent device as claimed in claim 11, wherein the plastic substrate is selected from the group consisting of polyethyleneterephthalate, polyester, polycarbonate, polyimide, Arton, polyacrylate and polystyrene..

13. (Original) The organic electroluminescent device as claimed in claim 1, wherein the first electrode is transparent, metal, or complex.

14. (Original) The organic electroluminescent device as claimed in claim 1, wherein the second electrode is transparent, metal, or complex.

15. (Original) The organic electroluminescent device as claimed in claim 13, wherein the transparent electrode is ITO, IZO, AZO or ZnO.

16. (Original) The organic electroluminescent device as claimed in claim 14, wherein the transparent electrode is ITO, IZO, AZO or ZnO.

17. (Original) The organic electroluminescent device as claimed in claim 13, wherein the metal electrode is selected from the group consisting of Li, Mg, Ca, Al, Ag, In, Au, Ni, Pt, and alloys thereof.

18. (Original) The organic electroluminescent device as claimed in claim 14, wherein the metal electrode is selected from the group consisting of Li, Mg, Ca, Al, Ag, In, Au, Ni, Pt, and alloys thereof.

19. (Original) The organic electroluminescent device as claimed in claim 13, wherein the complex electrode comprises stacked layer electrodes of Li, Mg, Ca, Al, Ag, In, Au, Ni, Pt, ITO, IZO, AZO or ZnO.

20. (Original) The organic electroluminescent device as claimed in claim 14, wherein the complex electrode comprises stacked layer electrodes of Li, Mg, Ca, Al, Ag, In, Au, Ni, Pt, ITO, IZO, AZO or ZnO..

21. (Canceled).

22. (Previously Presented) The organic electroluminescent device as claimed in claim 1, wherein the dielectric material for the nanostructured organic electroluminescent recovery layer is selected from the group consisting of silicides, oxides, carbides, nitrides and combinations thereof.

23. (Previously Presented) The organic electroluminescent device as claimed in claim 1, wherein the dielectric material for the nanostructured organic electroluminescent recovery layer is selected from the group consisting of silicon oxide, aluminum oxide, magnesium oxide, silicon nitride, aluminum nitride and magnesium fluoride.

24. (Canceled)

25. (Previously Presented) The organic electroluminescent device as claimed in claim 1, wherein the dielectric material and the nanoscale metal particles for the nanostructured organic electroluminescent recovery layer are formed at the same time using the same or different methods.

26. (Canceled)

27. (Previously Presented) The organic electroluminescent device as claimed in claim 1, wherein the organic material of the nanostructured organic electroluminescent recovery layer comprises molecular or polymer organic material.

28. (Canceled)

29. (Previously Presented) The organic electroluminescent device as claimed in claim 1, wherein the organic material and the nanoscale metal particles for the nanostructured organic electroluminescent recovery layer are formed at the same time using the same or different methods

30. (Currently Amended): An organic electroluminescent device, comprising:

- a substrate;
- a first electrode on the substrate;
- an organic luminescent layer on the first electrode;
- a second electrode on the organic luminescent layer, wherein the organic luminescent layer is between the first electrode and the second electrode;
- a first nanostructured organic electroluminescent recovery layer comprising first dielectric or organic material, doped with first nanoscale metal particles, ~~wherein the first nanoscale metal particle is different from the first dielectric or organic material;~~ and

a second nanostructured organic electroluminescent recovery layer comprising second dielectric or organic material, doped with second nanoscale metal particles, ~~wherein the second nanoscale metal particle is different from the second dielectric or organic material,~~

wherein the first and second nanoscale metal particles comprise Au, Ag, Ge, Se, Sn, Sb, te, or Ga.

31. (Original) The organic electroluminescent device as claimed in claim 30, wherein the first nanostructured organic electroluminescent recovery layer is on the substrate and between the substrate and the first electrode.

32. (Previously Presented) The organic electroluminescent device as claimed in claim 30, wherein the first nanostructured organic electroluminescent recovery layer is on the first electrode and between the first electrode and the organic luminescent layer.

33. (Previously Presented) The organic electroluminescent device as claimed in claim 30, wherein the second nanostructured organic electroluminescent recovery layer is on the organic luminescent layer and between the organic luminescent layer and the second electrode.

34. (Original) The organic electroluminescent device as claimed in claim 30, wherein the second nanostructured organic electroluminescent recovery layer is on the second electrode.